

# Applied Physics B Lasers and Optics

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# PHYSICS AND ASTRONOMY CLASSIFICATION SCHEME (PACS)

Shortened version for use in classifying papers for Applied Physics

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  - 07.65 Optical spectroscopy and spectrometers
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    - G Excimer lasers
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A 180 mW Nd:LaSc<sub>3</sub>(BO<sub>3</sub>)<sub>4</sub> single-frequency TEM<sub>00</sub> microchip laser pumped by an injection-locked diode-laser array.  
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Hydrogen-like recombination X-ray lasers using ps pulse drivers.  
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\* In the March issue of Volume A 58 [Appl. Phys. A 58/3 (1994)], there was unfortunately an error in pagination; all page numbers should have been 100 higher. In the present index the correct page numbers are given.



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Jia Q.X.	Jia Q.X.	A 58/5, 487-491 (1994)	73.30	Liu B.	Eichler H.J.	B 58/5, 421-424 (1994)	42.60L
Jordan C.	Jordan C.	B 58/2, 111-115 (1994)	42.65	Liu L.	Wang Y.Z.	B 58/4, 327-331 (1994)	32.80P
Jordan C.	Proyer S.	A 58/5, 471-474 (1994)	42.60	Liu Y.S.	Wang Y.Z.	B 58/4, 327-331 (1994)	32.80P
				Lloret A.	RocaiCabarrocas P.	A 58/4, 365-369 (1994)	81.15G
Käding O.W.	Matthias E.	A 58/2, 129-136 (1994)	68.60D	Loesel F.H.	Fischer J.P.	B 58/6, 493-499 (1994)	87.50H
Kadowaki K.	Yuan S.	A 58/6, 623-627 (1994)	74.25F	Loffhagen D.	Lück H.	B 58/2, 123-132 (1994)	42.55G
Kajita M.	Kajita M.	B 58/4, 295-301 (1994)	06.00	Loffhagen P.	Schwabedissen A.	B 58/6, 471-481 (1994)	42.55G
Kaminskii A.A.	Eichler H.J.	B 58/5, 421-424 (1994)	42.60L	Loheide S.	Loheide S.	A 58/4, 343-347 (1994)*	42.40
Kändler E.	Wendler L.	A 58/2, 167-175 (1994)	78.66	Loh T.E.	Lu Y.F.	A 58/4, 423-429 (1994)	02.00
Kapteen H.C.	Murnane M.M.	B 58/3, 261-266 (1994)	52.25N	Long N.J.	Serna R.	A 58/2, 197-202 (1994)	64.75
Kardinah T.	Dress P.	A 58/4, 401-405 (1994)	42.40	Lou Q.H.	Gu H.P.	B 58/2, 143-148 (1994)	36.40
Katsumura Y.	Okada N.	A 58/1, 99-105 (1994)	81.15	Low T.S.	Lu Y.F.	A 58/4, 423-429 (1994)	02.00
Kautek W.	Kautek W.	A 58/5, 513-518 (1994)	81.60	Luches A.	Giorgi M.L. De	A 58/6, 595-599 (1994)	52.25
Keller U.	Keller U.	B 58/5, 347-363 (1994)	42.55R	Lück H.	Lück H.	B 58/2, 123-132 (1994)	42.55G
Kerker E.	Fischer J.P.	B 58/6, 493-499 (1994)	87.50H	Lue J.-T.	Lue J.-T.	A 58/5, 535-539 (1994)	78.66
Kersten P.	Grosskloss R.	B 58/2, 137-142 (1994)	07.65	Lu H.	Lu H.	A 58/2, 203-209 (1994)	61.16C
Key M.H.	Cairns G.	B 58/1, 51-56 (1994)	42.60B	Luo M.S.C.	Nuss M.C.	B 58/3, 249-259 (1994)	71.35
Key M.H.	Zhang J.	B 58/1, 13-18 (1994)	42.60B	Lu Y.F.	Lu Y.F.	A 58/4, 423-429 (1994)	02.00
Khodier S.	El-Bahrawi M.S.	A 58/6, 601-605 (1994)	78.65	Qian Z.L.	Qian Z.L.	A 58/5, 441-445 (1994)	78.50
Kienle R.	Lee M.P.	B 58/6, 447-457 (1994)	34.00	Brunei M.	Brunei M.	B 58/6, 443-445 (1994)	42.10
Kim J.S.	Marzouk H.A.	A 58/6, 607-613 (1994)	81.15	Eichler H.J.	Eichler H.J.	B 58/5, 421-424 (1994)	42.60L
Kimura T.	Yuan S.	A 58/6, 623-627 (1994)	74.25F				
Kingston A.E.	Holden P.B.	B 58/1, 23-27 (1994)	42.55V	MacGowan B.J.	Moreno J.C.	B 58/1, 3-5 (1994)	31.30G
Kishic K.	Yuan S.	A 58/6, 623-627 (1994)	74.25F	MacGowan B.J.	Koch J.A.	B 58/1, 7-11 (1994)	42.55V
Kishic S.S.	El-Bahrawi M.S.	A 58/6, 601-605 (1994)	78.65	MacPhee A.G.	Cairns G.	B 58/1, 51-56 (1994)	42.60B
Kleinberg U.	Stock H.-J.	A 58/4, 371-376 (1994)	68.55	Maeda M.	Kumuduni W.K.A.	B 58/4, 289-294 (1994)	52.00
Klingenberg H.H.	Greiner U.J.	B 58/5, 393-395 (1994)	42.55	Magana A.	Yamakawa K.	B 58/4, 323-326 (1994)	42.55R
Klingshirn C.	Gaponenko S.V.	B 58/4, 283-288 (1994)	33.00	Major L.	Kushawaha V.	B 58/6, 533-535 (1994)	42.55R
Kloidt A.	Stock H.-J.	A 58/4, 371-376 (1994)	68.55	Malier L.	Brunei M.	B 58/6, 443-445 (1994)	42.10

Name	First Author	Applied Physics	PACS	Name	First Author	Applied Physics	PACS
Manivannan G.	Manivannan G.	B 58/1, 73-77 (1994)	42.70	Pesek A.	Pesek A.	A 58/3, 241-247 (1994)*	61.72T
Mansour A.	Mansour A.	A 58/5, 437-440 (1994)	61.80	Petermann K.	Kück S.	B 58/2, 153-156 (1994)	42.55R
Marine W.	Layadi N.	A 58/5, 507-512 (1994)	61.80B	Peteves S.D.	Bolse W.	A 58/5, 493-502 (1994)	81.40
Markl J.	Brandl D.	A 58/6, 557-562 (1994)	68.55G	Petford-Long A.K.	Serna R.	A 58/2, 197-202 (1994)	64.75
Marowsky G.	Marowsky G.	B 58/6, 501-503 (1994)	42.65	Petrocelli G.	Petrocelli G.	A 58/4, 431-435 (1994)	42.65K
Marowsky G.	Jordan C.	B 58/2, 111-115 (1994)	42.65	Pettit G.H.	Pettit G.H.	A 58/6, 573-579 (1994)	42.10
Marowsky G.	Stolle R.	B 58/4, 317-321 (1994)	42.65	Petzold S.	Matthias E.	A 58/2, 129-136 (1994)	68.60D
Martellucci S.	Petrocelli G.	A 58/4, 431-435 (1994)	42.65K	Pierattini G.	Nicola S. De	B 58/2, 133-135 (1994)	78.20C
Marzouk H.A.	Marzouk H.A.	A 58/6, 607-613 (1994)	81.15	Pinnow M.	Stolle R.	B 58/4, 317-321 (1994)	42.65
Matthias E.	Matthias E.	A 58/2, 129-136 (1994)	68.60D	Planken P.C.M.	Nuss M.C.	B 58/3, 249-259 (1994)	71.35
Matveev O.I.	Omenetto N.	B 58/4, 303-307 (1994)	32.00	Plowes J.	Cairns G.	B 58/1, 51-56 (1994)	42.60B
Mayle R.W.	Scott H.A.	B 58/1, 35-43 (1994)	02.00	Pogossian S.P.	Pogossian S.P.	A 58/5, 519-522 (1994)	42.80L
Meléndez-Lira M.	Meléndez-Lira M.	A 58/3, 319-322 (1994)*	68.55B	Pohlmann U.	Kück S.	B 58/2, 153-156 (1994)	42.55R
Menzel R.	Eichler H.J.	B 58/5, 409-411 (1994)	42.55R	Polonsky L.	Park C.O.	B 58/1, 19-22 (1994)	42.60B
Messer C.J.	Fischer J.P.	B 58/6, 493-499 (1994)	87.50H	Poon C.C.	Yavas O.	A 58/4, 407-415 (1994)	64.70F
Meyn J.-P.	Beier B.	B 58/5, 381-388 (1994)	42.60B	Powers P.E.	Tang C.L.	B 58/3, 243-248 (1994)	42.65R
Meyn J.-P.	Jensen T.	B 58/5, 373-379 (1994)	42.55R	Proyer S.	Proyer S.	A 58/5, 471-474 (1994)	42.60
Mezei P.	Rubin Gy.	B 58/2, 105-110 (1994)	42.55	Puech V.	Legentil M.	B 58/6, 515-517 (1994)	42.55G
Michael A.	Kushawaha V.	B 58/6, 533-535 (1994)	42.55R				
Miklos A.	Miklos A.	B 58/6, 483-492 (1994)	43.35U	Qian Z.L.	Qian Z.L.	A 58/5, 441-445 (1994)	78.50
Minguzzi P.	Lieto A. Di	B 58/1, 69-71 (1994)	42.55	Qin L.H.	Qin L.H.	A 58/2, 163-165 (1994)	07.60D
Mitterer S.	Kautek W.	A 58/5, 513-518 (1994)	81.60	Quinten M.	Sinzig J.	A 58/2, 157-162 (1994)	42.10
Mlinsky V.V.	Alimpiev S.S.	A 58/1, 67-72 (1994)	52.00				
Mlynek J.	Paschotta R.	B 58/2, 117-122 (1994)	42.65K	Rác B.	Osvay K.	A 58/3, 311-314 (1994)*	42.60B
Moehlecke S.	Andrade M.C. de	A 58/5, 503-506 (1994)	42.79V	Ralchenko V.G.	Nistor L.C.	A 58/2, 137-144 (1994)	61.80B
Moreno J.C.	Moreno J.C.	B 58/1, 3-5 (1994)	31.30G	Ramsden S.A.	Cairns G.	B 58/1, 51-56 (1994)	42.60B
Moreno J.C.	Koch J.A.	B 58/1, 7-11 (1994)	42.55V	Reichling M.	Matthias E.	A 58/2, 129-136 (1994)	68.60D
Müller P.	Stock H.-J.	A 58/4, 371-376 (1994)	68.55	Reisfeld R.	Gaponenko S.V.	B 58/4, 283-288 (1994)	33.00
Murakami H.	Itoh Y.	A 58/1, 59-62 (1994)	78.70B	Renna L.	Giorgi M.L. De	A 58/6, 595-599 (1994)	52.25
Murnane M.M.	Murnane M.M.	B 58/3, 261-266 (1994)	52.25N	Renotte Y.	Manivannan G.	B 58/1, 73-77 (1994)	42.70
				Ren Zhong-Min	Ren Zhong-Min	A 58/4, 395-399 (1994)	41.80G
Nagatomo S.	Takai M.	A 58/4, 359-363 (1994)	81.60B	Resto W.	Omenetto N.	B 58/4, 303-307 (1994)	32.00
Nagib N.N.	El-Bahrawi M.S.	A 58/6, 601-605 (1994)	78.65	Reucroft P.J.	Marzouk H.A.	A 58/6, 607-613 (1994)	81.15
Nakagawa K.	Akulshin A.M.	B 58/6, 529-532 (1994)	42.60	Riehemann S.	Loheide S.	A 58/4, 343-347 (1994)*	42.40
Nakata Y.	Kumuduni W.K.A.	B 58/4, 289-294 (1994)	52.00	Ristau D.	Zimmermann P.	A 58/4, 377-383 (1994)	78.20N
Neely D.	Cairns G.	B 58/1, 51-56 (1994)	42.60B	Riva R.	Legentil M.	B 58/6, 515-517 (1994)	42.55G
Nelson K.A.	Rogers J.A.	A 58/5, 523-534 (1994)	43.35P	Robertson E.	Holden P.B.	B 58/1, 23-27 (1994)	42.55V
Neske E.	Matthias E.	A 58/2, 129-136 (1994)	68.60D	Robertson J.D.	Marzouk H.A.	A 58/6, 607-613 (1994)	81.15
Neuschäfer D.	Marowsky G.	B 58/6, 501-503 (1994)	42.65	Roca i Cabarrocas P.	Layadi N.	A 58/5, 507-512 (1994)	61.80B
Nicola S. De	Nicola S. De	B 58/2, 133-135 (1994)	78.20C	Roca i Cabarrocas P.	Roca i Cabarrocas P.	A 58/4, 365-369 (1994)	81.15G
Nicola S. De	Nicola S. De	B 58/6, 439-442 (1994)	42.20	RodriguezParada J.M.	Marowsky G.	B 58/6, 501-503 (1994)	42.65
Niemz M.H.	Fischer J.P.	B 58/6, 493-499 (1994)	87.50H	Rogers J.A.	Rogers J.A.	A 58/5, 523-534 (1994)	43.35P
Niemz M.H.	Niemz M.H.	B 58/4, 273-281 (1994)	87.50H	Romanjuk V.I.	Alimpiev S.S.	A 58/1, 67-72 (1994)	52.00
Nikiforov S.M.	Alimpiev S.S.	A 58/1, 67-72 (1994)	52.00	Romano-Rodriguez A.	Vanhellemont J.	A 58/6, 541-549 (1994)	61.80F
Nikogosyan D.N.	Nikogosyan D.N.	A 58/3, 281-290 (1994)*	42.65	Romano V.	Helper D.	B 58/4, 309-315 (1994)	42.81
Niles D.W.	Meléndez-Lira M.	A 58/3, 319-322 (1994)*	68.55B	Roskos H.G.	Nuss M.C.	B 58/3, 249-259 (1994)	71.35
Nilsen J.	Moreno J.C.	B 58/1, 3-5 (1994)	31.30G	Rubin Gy.	Rubin Gy.	B 58/2, 105-110 (1994)	42.55
Nilsen J.	Koch J.A.	B 58/1, 7-11 (1994)	42.55V	Rubinov A.N.	Rubinov A.N.	B 58/1, 83-84 (1994)	42.60
Ninomiya Y.	Sumiyoshi T.	A 58/5, 457-479 (1994)	42.60	Rudko G.Yu.	Gorbach T.Ya.	A 58/2, 183-186 (1994)	78.55H
Nistor L.C.	Nistor L.C.	A 58/2, 137-144 (1994)	61.80B	Ryba-Romanowski W.	Dominiak-Dzik G.	A 58/6, 551-555 (1994)	78.55H
Norreys P.N.	Cairns G.	B 58/1, 51-56 (1994)	42.60B	Rybka Y.	Hnatowicz V.	A 58/4, 349-352 (1994)	61.80J
Nuss M.C.	Nuss M.C.	B 58/3, 249-259 (1994)	71.35				
				Saitoh T.	Tamura M.	A 58/2, 145-155 (1994)	61.14
Obama M.	Sumiyoshi T.	A 58/5, 457-479 (1994)	42.60	Sakurai T.	Lu H.	A 58/2, 203-209 (1994)	61.16C
Obraztsova E.D.	Nistor L.C.	A 58/2, 137-144 (1994)	61.80B	Salmon E.	Gaboriaud R.J.	A 58/4, 385-388 (1994)	74.75
Oelhafen P.	Mansour A.	A 58/5, 437-440 (1994)	61.80	Sandaiji H.	Takai M.	A 58/4, 359-363 (1994)	81.60B
Ogasawara H.	Sumiyoshi T.	A 58/5, 457-479 (1994)	42.60	Sandrock T.	Sandrock T.	B 58/2, 149-151 (1994)	42.55R
Ohtsu M.	Akulshin A.M.	B 58/6, 529-532 (1994)	42.60	Sankey J.D.	Sankey J.D.	B 58/6, 467-470 (1994)	42.60D
Okada N.	Okada N.	A 58/1, 99-105 (1994)	81.15	Santos J.H.R. dos	Santos J.H.R. dos	A 58/5, 453-457 (1994)	66.30
Okada N.	Kumuduni W.K.A.	B 58/4, 289-294 (1994)	52.00	Saris F.W.	Bolse W.	A 58/5, 493-502 (1994)	81.40
Omenetto N.	Omenetto N.	B 58/4, 303-307 (1994)	32.00	Sauerbrey R.	Pettit G.H.	A 58/6, 573-579 (1994)	42.10
Opower H.	Giesen A.	B 58/5, 365-372 (1994)	42.55R	Savatina I.	Savatina I.	A 58/5, 481-485 (1994)	64.70
Oppliger Y.	Wilke I.	A 58/4, 329-341 (1994)	07.60	Schilling G.	Schilling G.	B 58/4, 267-271 (1994)	42.65
Osterfeld M.	Osterfeld M.	A 58/3, 315-318 (1994)*	42.82	Schmidt H.	Golla D.	B 58/5, 389-392 (1994)	42.55R
Osterfeld M.	Osterfeld M.	A 58/6, 589-593 (1994)	78.66Q	Schmiedeskamp B.	Stock H.-J.	A 58/4, 371-376 (1994)	68.55
Ostroumov V.G.	Jensen T.	B 58/5, 373-379 (1994)	42.55R	Scholz F.	Stock H.-J.	A 58/4, 371-376 (1994)	68.55
Osvay K.	Osvay K.	A 58/3, 311-314 (1994)*	42.60B	Schöne W.	Golla D.	B 58/5, 389-392 (1994)	42.55R
				Schönhoff U.	Kück S.	B 58/2, 153-156 (1994)	42.55R
Palmer J.E.	Tamura M.	A 58/2, 145-155 (1994)	61.14	Schoppmann Ch.	Brandl D.	A 58/6, 557-562 (1994)	68.55G
Park C.O.	Park C.O.	B 58/1, 19-22 (1994)	42.60B	Schröder T.	Schröder T.	B 58/5, 425-438 (1994)	42.70
Park H.K.	Yavas O.	A 58/4, 407-415 (1994)	64.70F	Schulz H.-J.	Peka P.	A 58/5, 447-451 (1994)	71.55G
Park J.H.	Park J.H.	A 58/2, 125-128 (1994)	78.30F	Schwabedissen A.	Schwabedissen A.	B 58/6, 471-481 (1994)	42.55G
Paschotta R.	Paschotta R.	B 58/2, 117-122 (1994)	42.65K	Schwab P.	Proyer S.	A 58/5, 471-474 (1994)	42.60
Pasiskевич V.	Krotkus A.	A 58/2, 177-181 (1994)	81.40C	Schwarz R.	Peka P.	A 58/5, 447-451 (1994)	71.55G
Pasquiers M.	Legentil M.	B 58/6, 515-517 (1994)	42.55G	Schwentner N.	Schilling G.	B 58/4, 267-271 (1994)	42.65
Pati S.P.	Dash G.N.	A 58/2, 211-217 (1994)	85.30	Scotfield J.H.	Moreno J.C.	B 58/1, 3-5 (1994)	31.30G
Peka P.	Peka P.	A 58/5, 447-451 (1994)	71.55G	Scott H.A.	Scott H.A.	B 58/1, 35-43 (1994)	02.00
Perez R.	Santos J.H.R. dos	A 58/5, 453-457 (1994)	66.30	Sekatskii S.K.	Sekatskii S.K.	A 58/5, 467-470 (1994)	79.60E
Perrière J.	Perrière J.	A 58/2, 187-190 (1994)	68.55	Semal S.	Manivannan G.	B 58/1, 73-77 (1994)	42.70
Perrière J.	Gaboriaud R.J.	A 58/4, 385-388 (1994)	74.75	Serna R.	Serna R.	A 58/2, 197-202 (1994)	64.75
Perrone A.	Giorgi M.L. De	A 58/6, 595-599 (1994)	52.25	Serna R.	Vega F.	A 58/4, 417-421 (1994)	81.60
Pert G.J.	Cairns G.	B 58/1, 51-56 (1994)	42.60B	Shang S.X.	Wang X.L.	A 58/1, 73-75 (1994)	74.62B
Pert G.J.	Holden P.B.	B 58/1, 23-27 (1994)	42.55V	Shcherbakov I.A.	Jensen T.	B 58/5, 373-379 (1994)	42.55R



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Sheng J.-S.	Lue J.-T.	A 58/5, 535-539 (1994)	78.66	Varpakhovich A.G.	Rubinov A.N.	B 58/1, 83-84 (1994)	42.60
Shi H.T.	Qin L.H.	A 58/2, 163-165 (1994)	07.60D	Vega F.	Vega F.	A 58/4, 417-421 (1994)	81.60
Sibbett W.	Sibbett W.	B 58/3, 171-181 (1994)	42.55R	Vickridge I.	Perrière J.	A 58/2, 187-190 (1994)	68.55
Siegel J.	Matthias E.	A 58/2, 129-136 (1994)	68.60D	Vignes J.-L.	Grigorenko K.G.	A 58/6, 619-622 (1994)	68.55
Silva L.B. Da	Koch J.A.	B 58/1, 7-11 (1994)	42.55V	Vogt A.W.	Vogt A.W.	B 58/1, 57-62 (1994)	32.80P
Silva L.B. Da	Moreno J.C.	B 58/1, 3-5 (1994)	31.30G	Voit H.	Brandt D.	A 58/6, 557-562 (1994)	68.55G
Simoen E.	Simoen E.	A 58/4, 353-358 (1994)	85.30T	Voss A.	Giesen A.	B 58/5, 365-372 (1994)	42.55R
Simon P.	Proyer S.	A 58/5, 471-474 (1994)	42.60				
Sinzig J.	Sinzig J.	A 58/2, 157-162 (1994)	42.10	Walker D.R.	Greiner U.J.	B 58/5, 393-395 (1994)	42.55
Skurk H.	Matthias E.	A 58/2, 129-136 (1994)	68.60D	Wallenstein R.	Beier B.	B 58/5, 381-388 (1994)	42.60B
Sluis P. van der	Sluis P. van der	A 58/3, 229-234 (1994)	61.10D	Wallenstein R.	Schröder T.	B 58/5, 425-438 (1994)	42.70
Smertenko P.S.	Gorbach T. Ya.	A 58/2, 183-186 (1994)	78.55H	Wang H.	Wang X.L.	A 58/1, 73-75 (1994)	74.62B
Smith A.P.	Smith A.P.	B 58/6, 459-466 (1994)	82.40P	Wang X.D.	Lu H.	A 58/2, 203-209 (1994)	61.16C
Smith B.W.	Omenetto N.	B 58/4, 303-307 (1994)	32.00	Wang X.J.	Wang Y.Z.	B 58/4, 327-331 (1994)	32.80P
Smith C.G.	Cairns G.	B 58/1, 51-56 (1994)	42.60B	Wang X.L.	Wang X.L.	A 58/1, 73-75 (1994)	74.62B
Solis J.	Vega F.	A 58/4, 417-421 (1994)	81.60	Wang Y.Z.	Wang Y.Z.	B 58/4, 327-331 (1994)	32.80P
Speiser S.	Danstker D.	B 58/2, 97-104 (1994)	42.10	Wang Z.Q.	Qian Z.L.	A 58/5, 441-445 (1994)	78.50
Spence D.E.	Sibbett W.	B 58/3, 171-181 (1994)	42.55R	Wang Z.Y.	Gu H.P.	B 58/2, 143-148 (1994)	36.40
Spusta J.	Layadi N.	A 58/5, 507-512 (1994)	61.80B	Weber H.P.	Helfer D.	B 58/4, 309-315 (1994)	42.81
Sprung D.W.L.	Wu H.	A 58/6, 581-587 (1994)	72.10	Welling H.	Freitag I.	B 58/6, 537-550 (1994)	42.50
Stangl E.	Proyer S.	A 58/5, 471-474 (1994)	42.60	Welsch E.	Zimmermann P.	A 58/4, 377-383 (1994)	78.20N
Steingruber J.	Steingruber J.	B 58/1, 29-34 (1994)	52.25D	Wendler L.	Wendler L.	A 58/2, 167-175 (1994)	78.66
Stock H.-J.	Stock H.-J.	A 58/4, 371-376 (1994)	68.55	Werner H.	Zhang X.B.	A 58/2, 107-116 (1994)	61.10
Stolle R.	Stolle R.	B 58/4, 317-321 (1994)	42.65	Wilke I.	Wilke I.	B 58/2, 87-95 (1994)	07.60
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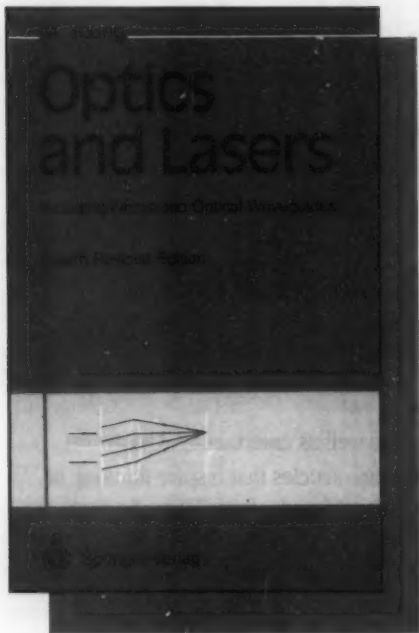
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